

EXPRESS MAIL CERTIFICATE

12/19/01 2767720140VS

Date 12/19/01 Label No. 2767720140VS
I hereby certify that, on the date indicated above, this paper or
fee was deposited with the U.S. Postal Service & that it was
addressed for delivery to the Assistant Commissioner for
Patents, Washington, DC 20231 by "Express Mail Post Office to
Addressee" service.

DB Peck J. Beck
Name (Print)

Signature

PLEASE CHARGE ANY DEFICIENCY UP TO \$300.00 OR
CREDIT ANY EXCESS IN THE FEES DUE WITH THIS
DOCUMENT TO OUR DEPOSIT ACCOUNT NO. 04-0100

#3
JC530 US Pro
10/025119
12/19/01

Customer No.:



07278

PATENT TRADEMARK OFFICE

Docket No.: 3865/OK109

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Ari HAMALAINEN

Serial No.: NOT YET ASSIGNED

Filed: CONCURRENTLY HEREWITH

For: A METHOD FOR CHANNEL EQUALIZATION, A RECEIVER, A
CHANNEL EQUALIZER, AND A WIRELESS COMMUNICATION DEVICE

December 19, 2001

INFORMATION DISCLOSURE STATEMENT

U.S. Patent and Trademark Office PATENT APPLICATION

P.O. Box 2327

Arlington VA 22202

Sir:

This Information Disclosure Statement is submitted in accordance with 37 C.F.R. 1.97, 1.98, and it is requested that the information set forth in this statement and in the listed documents be considered during the pendency of the above-identified application, and any other application relying on the filing date of the above-identified application or cross-referencing it as a related application.

1. This IDS should be considered, in accordance with 37 C.F.R. 1.97, as it is filed: (Check one of the boxes A-D)

- A. Within three months of the filing date of the above-identified national application or within three months of the entry into the national stage of the above-identified international application.
- B. before the mailing date of a first office action on the merits, or a first office action after filing a request for continued examination.
- C. after (A) and (B) above, but before the mailing date of a final rejection, a notice of allowance, or any other action that closes prosecution, and Applicants have made the necessary statement in box "i" below or paid the necessary fee in box "ii" below.

(check one of the boxes "i" and "ii" below:)

- i. Counsel states that, upon information and belief, each item of information listed herein was either (a) cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS; or (b) was not cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of undersigned after making reasonable inquiry, was not known to any individual designated in 1.56(c) more than three months prior to the filing of this IDS.
- ii. A check for the fee set forth in 1. 17(p), presently believed to be \$180, is enclosed.
- D. after (A), (B) and (C) above, but before payment of the issue fee: Counsel states that, upon information and belief, each item of information listed herein was either (i) cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the IDS; or (ii) was not cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the undersigned after making reasonable inquiry, was not known to any individual designated in 1.56(c) more than three months prior to the filing of this IDS.
- i. A check for the fee set forth in 1.17 (p), presently believed to be \$180, is enclosed.

2. In accordance with 37 C.F.R. 1.98, this IDS includes a list (e.g., form PTO-1449) of all patents, publications, or other information submitted for consideration by the office, either incorporated into this IDS or as an attachment hereto. A copy of each document listed is attached, except as explained below.

(check boxes A and/or B and fill in blanks, if appropriate.)

- A. Document(s) _____ is (are) deemed substantially cumulative to document(s) _____, and, in accordance with 1.98(c), only a copy of each of the latter documents is enclosed.
- B. Certain documents were previously cited by or submitted to the Office in the following prior applications, which are relied upon under 35 U.S.C. 120:

[SERIAL NO. & FILING DATE].

Applicant Identifies these documents by attaching hereto copies of the forms PTO-892 and PTO- 1449 from the files of the prior application(s) or a fresh PTO- 1449 listing these documents, and request that they be considered and made of record in accordance with 1.98(d). Per 37 CFR 1.98(d), copies of these documents need not be filed in this application.

3. Document(s) _____ are not in the English language. In accordance with 1.98(c), Applicant states:

- An English translation of each document (or of the pertinent portions thereof), or a copy of each corresponding English-language patent or application is enclosed.
- A concise explanation of the relevance of document(s) _____ is found in the attached search report (see MPEP § 609 A(3)(x)).
- A concise explanation of the relevance of document(s) _____ is set forth as follows: [Insert concise explanation of relevance]
- A concise explanation of the relevance of document(s) _____ can be found on page(s) _____ of the specification.
- A concise explanation of document(s) _____ can be found on the attached sheet.

4. No explanation of relevance is necessary for documents in the English language (see MPEP § 609 A(3)).

5. Other information being provided for the examiner's consideration follows:

A Finnish Office Action enclosing a Search Report, dated October 31, 2001,

which issued during the prosecution of Finnish Patent Application No.20002819 which corresponds to the present application (a copy of which is enclosed).

6. In accordance with 37 C.F.R. 1.97(g) and (h), the filing of this IDS should not be construed as a representation that a search has been made or that information cited is, or is considered to be, material to patentability as defined in §1.56 (b), or that any cited document listed or attached is (or constitutes) prior art. Unless other-wise indicated, the date of publication indicated for an item is taken from the face of' the item and Applicant reserves the right to prove that the date of publication is in fact different.

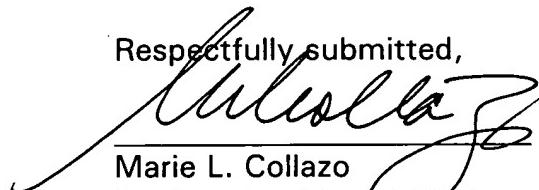
CROSS REFERENCE UNDER 37 C.F.R. §1.78 TO RELATED APPLICATIONS

Pursuant to 37 C.F.R. § 1.79, Applicant notes that the above-identified patent application may be related to the following U.S. Patent Applications:

(1) U.S. Patent Application Serial No _____, filed _____.

Early and favorable consideration is earnestly solicited.

Respectfully submitted,


Marie L. Collazo
Registration No. 44,085

DARBY & DARBY P.C.
805 Third Avenue
New York, N.Y. 10022
(212) 527-7700

Docket No. 3865/OK019

JCS30 U.S. PRO
10/025119
12/19/01

LIST OF REFERENCES CITED BY APPLICANT

(Use Several Sheets if Necessary)

DOCKET NO.: 3865/OK109 SERIAL NO: NOT YET ASSIGNED
APPLICANT: Ari HAMALAINEN FILING DATE: CONCURRENTLY
HEREWITH CONFIRMATION NO:

U.S. PATENT DOCUMENTS

<u>*EXAMINER INITIALS</u>	<u>DOCUMENT NUMBER</u>	<u>DATE</u>	<u>NAME</u>	<u>CLASS</u>	<u>SUBCLASS</u>	<u>FILING DATE</u>
	1, 5,727,032	Mar. 1998	Jamal et al.	H04B	7/10	

FOREIGN PATENT DOCUMENTS

<u>*EXAMINER INITIALS</u>	<u>DOCUMENT NUMBER</u>	<u>DATE</u>	<u>COUNTRY</u>	<u>CLASS</u>	<u>SUBCLASS</u>	<u>TRANSLATION YES</u>	<u>NO</u>
	2. 99/55047	Oct. 1999	PCT	H04L	2701		
	3. 0959580	Nov. 1999	EPO	H04L	1/00		

OTHER REFERENCES

(INCLUDING AUTHOR, TITLE DATE, PERTINENT PAGES, ETC.)

***EXAMINER
INITIALS**

EXAMINER:

DATE CONSIDERED: _____

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.